

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L62	65	"56"/\$.ccls. and connect\$ and handle and (tube with sleeve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 17:11
L63	0	channel with rotate with "180" with degrees	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/23 21:36
S1	6	"bayonette guide" with "180"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/23 21:37
S2	0	((("6311465") or ("6367236") or ("6502381")).PN. or ((2002/0129594) or (2003/0079460)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/08 08:21
S3	4	2002/0129594 2003/0079460	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/06/07 12:10
S4	35	"20020129594" "20030079460"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/06/07 12:12
S5	147	((("2902815") or ("3643410") or ("2908131") or ("3833250") or ("4174003") or ("4292794") or ("4514970") or ("4730864") or ("4821500") or ("4866922") or ("5182899") or ("5343684") or ("5452570") or ("5511370") or ("5706640") or ("5918920") or ("6120073") or ("6151878")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/07 12:12
S6	3	(56/400.04).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/08 08:24
S7	1	"736878".URPN.	USPAT	OR	ON	2004/06/08 08:32
S8	9	"764401".URPN.	USPAT	OR	ON	2004/06/08 08:37
S9	14	"2902815".URPN.	USPAT	OR	ON	2004/06/08 08:37
S10	3	"2908131".URPN.	USPAT	OR	ON	2004/06/08 08:38
S11	6	("1588927" "2908131" "3350866").PN.	USPAT	OR	ON	2004/06/08 08:41
		"3643410".URPN.	USPAT	OR	ON	2004/06/08 08:41

S12	3	("2908131" "3105348" "3350866").PN.	USPAT	OR	ON	2004/06/08 08:42
S13	17	"3688484".URPN.	USPAT	OR	ON	2004/06/08 08:42
S14	9	("0088820" "1654958" "1895214" "1906218" "2189713" "2652279" "3164945" "3672716" "3692347").PN.	USPAT	OR	ON	2004/06/08 08:43
S15	4	"3833250".URPN.	USPAT	OR	ON	2004/06/08 08:45
S16	7	("0659518" "1222711" "1588927" "2908131" "3095682" "3643410" "3688484").PN.	USPAT	OR	ON	2004/06/08 08:45
S17	15	"4037397".URPN.	USPAT	OR	ON	2004/06/08 08:46
S18	3	("0838100" "0938001" "1800103").PN.	USPAT	OR	ON	2004/06/08 08:47
S19	5	"4174003".URPN.	USPAT	OR	ON	2004/06/08 08:47
S20	6	("1751481" "2486395" "3258903" "3601966" "3727389" "4037397").PN.	USPAT	OR	ON	2004/06/08 08:47
S21	18	"4292794".URPN.	USPAT	OR	ON	2004/06/08 08:48
S22	9	("1588927" "2902815" "2908131" "3221485" "3688484" "3833250" "4057277" "4185443" "4292794").PN.	USPAT	OR	ON	2004/06/08 08:58
S23	1	"4514970".URPN.	USPAT	OR	ON	2004/06/08 08:59
S24	9	("0966197" "1160282" "1939475" "2546113" "3105348" "3809421" "4037397" "4185448" "4477114").PN.	USPAT	OR	ON	2004/06/08 08:59
S25	3	"4730864".URPN.	USPAT	OR	ON	2004/06/08 09:00
S26	10	("D251583" "0524215" "1352386" "2045394" "2052885" "2597954" "3095682" "3299545" "4477972" "4644740").PN.	USPAT	OR	ON	2004/06/08 09:00
S27	12	"4791780".URPN.	USPAT	OR	ON	2004/06/08 09:00
S28	10	("0220420" "0736878" "1014250" "1591738" "1768080" "2065830" "2164233" "2463393" "3374614" "4516393").PN.	USPAT	OR	ON	2004/06/08 09:02
S29	6	"4821500".URPN.	USPAT	OR	ON	2004/06/08 09:03
S30	4	("2180544" "2546113" "2652279" "4477114").PN.	USPAT	OR	ON	2004/06/08 09:03
S31	15	"4866922".URPN.	USPAT	OR	ON	2004/06/08 09:03
S32	8	("2821834" "2941827" "3701243" "3719378" "4068346" "4514970" "4843667" "4848073").PN.	USPAT	OR	ON	2004/06/08 09:04
S33	6	"5168693".URPN.	USPAT	OR	ON	2004/06/08 09:04

S34	34	("D351768" "0367578" "1867226" "2230703" "2511160" "2950134" "3484736" "3569903" "3759020" "3803819" "3858383" "3879573" "3886716" "4018037" "4136446" "4156312" "4156967" "4211004" "4364435" "4391545" "4397088" "4505040" "4516289" "4567657" "4761939" "4791826" "4819742" "4829675" "4852258" "4860451" "4904827" "4976031" "5168693" "5379846").PN.	USPAT	OR	ON	2004/06/08 09:05
S35	6	("2666288" "2847816" "3403500" "3668849" "4667461" "4682464").PN.	USPAT	OR	ON	2004/06/08 09:05
S36	5	"5182899".URPN.	USPAT	OR	ON	2004/06/08 09:05
S37	6	("0684406" "1165636" "1826038" "3921725" "4162132" "4214538").PN.	USPAT	OR	ON	2004/06/08 09:06
S38	13	"5185992".URPN.	USPAT	OR	ON	2004/06/08 09:06
S39	2	"1654958".URPN.	USPAT	OR	ON	2004/06/10 10:28
S40	26	("0157439" "1126273" "1131553" "1136770" "1137825" "1159970" "1715613" "2010325" "2099053" "2114518" "2140911" "2713763" "2797544" "3264810" "3367093" "3397469" "3884023" "4203495" "4292794" "4476939" "4606089" "4667461" "4776158" "4850185" "4866922" "5185992").PN.	USPAT	OR	ON	2004/06/10 10:29
S41	5	"5343684".URPN.	USPAT	OR	ON	2004/06/10 10:31
S42	2	("1414087" "3206921").PN.	USPAT	OR	ON	2004/06/10 10:31
S43	7	("0531722" "3332223" "4150528" "4667458" "5099638" "5177946" "5249413").PN.	USPAT	OR	ON	2004/06/10 10:31
S44	0	"5511370".URPN.	USPAT	OR	ON	2004/06/10 10:32
S45	14	("0125480" "1277998" "2504943" "2908131" "3350886" "3688484" "4037394" "4057277" "4378671" "4427227" "4741149" "4791780" "4991386" "5144199").PN.	USPAT	OR	ON	2004/06/10 10:32
S46	8	"5564267".URPN.	USPAT	OR	ON	2004/06/10 10:33
S47	4	("2180544" "4378670" "4866922" "5169191").PN.	USPAT	OR	ON	2004/06/10 10:35
S48	1	"5706640".URPN.	USPAT	OR	ON	2004/06/10 10:35

S49	14	("0828646" "1160282" "1715613" "2136849" "2504943" "2746234" "2891374" "2942401" "3105348" "3264809" "4018038" "4185448" "4378671" "4545189").PN.	USPAT	OR	ON	2004/06/10 10:35
S50	3	"5765351".URPN.	USPAT	OR	ON	2004/06/10 10:36
S51	9	("0253929" "0576756" "4162132" "4476939" "4565398" "4901801" "5103520" "5185992" "5507051").PN.	USPAT	OR	ON	2004/06/10 10:36
S52	2	"5816633".URPN.	USPAT	OR	ON	2004/06/10 10:37
S53	5	("2606050" "3243165" "4661009" "4768258" "5185992").PN.	USPAT	OR	ON	2004/06/10 10:38
S54	3	"5915482".URPN.	USPAT	OR	ON	2004/06/10 10:38
S55	8	("0758071" "1504913" "1578532" "2884278" "3105348" "3987609" "4741149" "5727829").PN.	USPAT	OR	ON	2004/06/10 10:38
S56	27	("D384865" "0407465" "0851987" "1005247" "2088890" "3164945" "3228716" "3269764" "3350866" "3572806" "3601966" "3604687" "3643410" "3688484" "3692347" "3749429" "3833250" "4037397" "4477114" "4991386" "5020935" "5114199" "5459988" "5564266" "5564267" "5727828" "5788608").PN.	USPAT	OR	ON	2004/06/10 10:39
S57	0	"6120073".URPN.	USPAT	OR	ON	2004/06/10 10:41
S58	0	"6120073".URPN.	USPAT	OR	ON	2004/06/10 10:42
S59	8	("2504943" "3095682" "3601966" "4185448" "4378671" "4545189" "5303536" "5765351").PN.	USPAT	OR	ON	2004/06/10 10:42
S60	1	"6151878".URPN.	USPAT	OR	ON	2004/06/10 10:42
S61	6	("Re33702" "2797544" "4545189" "5058370" "5414982" "5440868").PN.	USPAT	OR	ON	2004/06/10 10:42
S62	0	"6311465".URPN.	USPAT	OR	ON	2004/06/10 10:43
S63	8	("2891374" "5303536" "5564267" "5788299" "5881545" "5901540" "5918920" "6134869").PN.	USPAT	OR	ON	2004/06/10 10:43
S64	2	"6367236".URPN.	USPAT	OR	ON	2004/06/10 10:44

S65	30	("0599368" "0603071" "1050685" "1424291" "1715613" "2504943" "2746234" "3095682" "3105348" "3264809" "3601966" "3733636" "4018038" "4143899" "4185448" "4292794" "4378671" "4545189" "4730864" "4741149" "D296510" "4930824" "5058370" "5303536" "5513883" "5564266" "5765351" "6134869" "6151878" "6336314"). PN.	USPAT	OR	ON	2004/06/10 10:44
S66	0	"6502381".URPN.	USPAT	OR	ON	2004/06/10 10:45
S67	16	("D157592" "D157593" "D301544" "D304675" "2908131" "3164945" "3264807" "3601966" "3643410" "3688484" "4037397" "4185448" "4292794" "4545189" "4848074" "4953347").PN.	USPAT	OR	ON	2004/06/10 10:45
S68	2	D336731.URPN.	USPAT	OR	ON	2004/06/10 10:46
S69	3	"2088890".URPN.	USPAT	OR	ON	2004/06/10 11:53
S70	5	"2797544".URPN.	USPAT	OR	ON	2004/06/10 11:53
S71	10	("1588927" "2745181" "3601966" "3643410" "3688484" "4037397" "4185448" "4688961" "4991386" "5058370").PN.	USPAT	OR	ON	2004/06/10 12:00
S72	3	"5459988".URPN.	USPAT	OR	ON	2004/06/10 12:00
S73	5	("2832443" "2945713" "3521332" "3776092" "4115966").PN.	USPAT	OR	ON	2004/06/10 12:48
S74	23	"4688961".URPN.	USPAT	OR	ON	2004/06/10 12:48
S75	13	("1588927" "2316168" "2497192" "2504943" "2836032" "3164945" "3350866" "3643410" "3688484" "4057277" "4545189" "4991386" "5459988").PN.	USPAT	OR	ON	2004/06/10 12:49
S76	3	"5564266".URPN.	USPAT	OR	ON	2004/06/10 12:50
S77	686	(403/188,389).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/10 13:15
S78	0	"249066".URPN.	USPAT	OR	ON	2004/06/10 13:56
S79	0	"249066".URPN.	USPAT	OR	ON	2004/06/10 13:56
S80	7	"1982501".URPN.	USPAT	OR	ON	2004/06/10 13:57
S81	5	"2370748".URPN.	USPAT	OR	ON	2004/06/10 13:57

S82	0	("handleandconnectand(sleeveandrotate)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/11 20:10
S83	0	(sleeve and rotate) and (connector or connection or connect) and ("403"/\$.ccls or "23"/\$.ccls.) and rake	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/11 20:10
S84	84	(sleeve and rotate) and (connector or connection or connect) and ("403"/\$.ccls or "24"/\$.ccls.) and handle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/11 20:12
S85	0	(sleeve and rotate) and (connector or connection or connect) and ("403"/\$.ccls or "24"/\$.ccls.) and rake	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/11 20:12
S86	3	(sleeve and rotate) and (connector or connection or connect) and ("403"/\$.ccls or "23"/\$.ccls.) and handle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/11 20:12
S87	3	"2088890".URPN.	USPAT	OR	ON	2004/06/11 20:14
S88	9	("1588927" "2902815" "2908131" "3221485" "3688484" "3833250" "4057277" "4185443" "4292794").PN.	USPAT	OR	ON	2004/06/11 20:15
S89	1	"4514970".URPN.	USPAT	OR	ON	2004/06/11 20:15
S90	5	("2832443" "2945713" "3521332" "3776092" "4115966").PN.	USPAT	OR	ON	2004/06/11 20:16
S91	23	"4688961".URPN.	USPAT	OR	ON	2004/06/11 20:17
S92	16	("D157592" "D157593" "D301544" "D304675" "2908131" "3164945" "3264807" "3601966" "3643410" "3688484" "4037397" "4185448" "4292794" "4545189" "4848074" "4953347").PN.	USPAT	OR	ON	2004/06/11 20:21
S93	2	D336731.URPN.	USPAT	OR	ON	2004/06/11 20:22
S94	8	"2945713".URPN.	USPAT	OR	ON	2004/06/11 20:23
S95	1687	tongs and connector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/12 17:10
S96	381	tongs and connector and sleeve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/12 17:10
S97	7	("0434295" "1178044" "1964897" "2533947" "2969570" "3367701" "3697104").PN.	USPAT	OR	ON	2004/06/12 17:17

S98	4	"4314724".URPN.	USPAT	OR	ON	2004/06/12 17:17
S99	11	("D076013" "1323619" "3014277" "3186749" "3742602" "4314724" "4721334" "4787663" "5054835" "5206998" "5479708").PN.	USPAT	OR	ON	2004/06/12 17:18
S100	1	"5791053".URPN.	USPAT	OR	ON	2004/06/12 17:18
S101	651	(56/400.07,400.12,400.11,400.16,dig.18).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/21 14:19
S102	1	"1055224".URPN.	USPAT	OR	ON	2004/06/21 14:33
S103	4	"1263249".URPN.	USPAT	OR	ON	2004/06/21 14:35
S104	12	"1588927".URPN.	USPAT	OR	ON	2004/06/21 14:37
S105	12	"1588927".URPN.	USPAT	OR	ON	2004/06/21 14:37
S106	12	"1588927".URPN.	USPAT	OR	ON	2004/06/21 14:40
S107	10	"2891374".URPN.	USPAT	OR	ON	2004/06/21 15:48
S108	10	"3164945".URPN.	USPAT	OR	ON	2004/06/21 15:49
S109	11	"3350866".URPN.	USPAT	OR	ON	2004/06/21 15:50
S110	21	"3601966".URPN.	USPAT	OR	ON	2004/06/21 15:51
S111	2	("0700192" "1588927").PN.	USPAT	OR	ON	2004/06/21 15:52
S112	8	"4057277".URPN.	USPAT	OR	ON	2004/06/21 15:52
S113	5	("2136849" "2891374" "3643410" "4018038" "4037397").PN.	USPAT	OR	ON	2004/06/21 15:54
S114	14	"4185448".URPN.	USPAT	OR	ON	2004/06/21 15:54
S115	7	("0434295" "1178044" "1964897" "2533947" "2969570" "3367701" "3697104").PN.	USPAT	OR	ON	2004/06/21 15:55
S116	4	"4314724".URPN.	USPAT	OR	ON	2004/06/21 15:55
S117	2	("3601966" "4292794").PN.	USPAT	OR	ON	2004/06/21 15:55
S118	17	"4378671".URPN.	USPAT	OR	ON	2004/06/21 15:55

S11 9	13	("1055224" "1160282" "1682795" "1939475" "2136849" "2509943" "2746234" "2891374" "3105348" "3601966" "3716263" "4018038" "4378671").PN.	USPAT	OR	ON	2004/06/21 15:56
S12 0	6	("0201787" "0431433" "0659518" "2503998" "2908131" "4042270"). PN.	USPAT	OR	ON	2004/06/21 15:57
S12 1	6	"4953347".URPN.	USPAT	OR	ON	2004/06/21 15:57
S12 2	18	("0757123" "0994796" "1588927" "1761503" "1895214" "1927873" "2065830" "2644455" "2735712" "2908131" "3095682" "3264809" "3350866" "3617084" "3654754" "3688484" "3724188" "4037397"). PN.	USPAT	OR	ON	2004/06/21 15:58
S12 3	14	"4991386".URPN.	USPAT	OR	ON	2004/06/21 15:59
S12 4	5	("3164945" "4185448" "4292794" "4378671" "4667461").PN.	USPAT	OR	ON	2004/06/21 15:59
S12 5	12	"5303536".URPN.	USPAT	OR	ON	2004/06/21 16:00
S12 6	6	("0425299" "3522697" "4357790" "4611461" "4986065" "5099637"). PN.	USPAT	OR	ON	2004/06/21 16:00
S12 7	1	"5437146".URPN.	USPAT	OR	ON	2004/06/21 16:00
S12 8	6	("2116375" "2836918" "3003149" "3380097" "4068346" "5161278"). PN.	USPAT	OR	ON	2004/06/21 16:01
S12 9	21	("0888229" "1588927" "1763437" "2639935" "3023971" "3041655" "3328066" "3601835" "3720409" "3743339" "3907354" "3972552" "4057276" "4114938" "4310940" "4319851" "4750883" "4848818" "4930824" "5114199" "5310381"). PN.	USPAT	OR	ON	2004/06/21 16:02
S13 0	8	"5727580".URPN.	USPAT	OR	ON	2004/06/21 16:03
S13 1	12	("0909289" "1588927" "1762486" "2217109" "2422929" "2638713" "3091197" "3221485" "3688484" "4057277" "4572566" "5114199"). PN.	USPAT	OR	ON	2004/06/21 16:04
S13 2	4	"5727828".URPN.	USPAT	OR	ON	2004/06/21 16:04
S13 3	1	"5791053".URPN.	USPAT	OR	ON	2004/06/21 16:05

S13 4	6	("0391078" "2315831" "3272548" "4185448" "5303536" "5564267").PN.	USPAT	OR	ON	2004/06/21 16:05
S13 5	3	"5881545".URPN.	USPAT	OR	ON	2004/06/21 16:06
S13 6	15	("0227951" "1588927" "2368792" "3164945" "3350866" "3463244" "3617084" "3688484" "4018038" "4037397" "4189908" "4292794" "4991386" "5303536" "5564267").PN.	USPAT	OR	ON	2004/06/21 16:06
S13 7	6	"5901540".URPN.	USPAT	OR	ON	2004/06/21 16:07
S13 8	8	("2504943" "3601966" "4018038" "4292794" "4378671" "5303536" "5765351" "5901540").PN.	USPAT	OR	ON	2004/06/21 16:07
S13 9	5	"6134869".URPN.	USPAT	OR	ON	2004/06/21 16:07
S14 0	8	("2746234" "3601966" "4378671" "5303536" "5414982" "5440868" "5553447" "6134869").PN.	USPAT	OR	ON	2004/06/21 16:07
S14 1	3	"6272827".URPN.	USPAT	OR	ON	2004/06/21 16:08
S14 2	7	("3601966" "4185448" "4378671" "4545189" "RE33702" "5303536" "6134869").PN.	USPAT	OR	ON	2004/06/21 16:08
S14 3	3	"6336314".URPN.	USPAT	OR	ON	2004/06/21 16:09
S14 4	8	("2891374" "5303536" "5564267" "5788299" "5881545" "5901540" "5918920" "6134869").PN.	USPAT	OR	ON	2004/06/21 16:09
S14 5	0	"6619023".URPN.	USPAT	OR	ON	2004/06/21 16:09
S14 6	6	("4018038" "4037397" "4292794" "5303536" "6272827" "6336314").PN.	USPAT	OR	ON	2004/06/21 16:09
S14 7	0	D474948.URPN.	USPAT	OR	ON	2004/06/21 16:09
S14 8	2	"391078".URPN.	USPAT	OR	ON	2004/06/21 16:17
S14 9	11	"3350866".URPN.	USPAT	OR	ON	2004/06/21 16:18
S15 0	6	("0120440" "0503176" "1160282" "3041102" "3264809" "3601966").PN.	USPAT	OR	ON	2004/06/21 16:18
S15 1	11	"4018038".URPN.	USPAT	OR	ON	2004/06/21 16:19

S15 2	11	("0275505" "0407465" "0700192" "1761503" "1970087" "3692347" "3809421" "4042270" "4477114" "4953347" "4991386").PN.	USPAT	OR	ON	2004/06/21 16:19
S15 3	9	"5114199".URPN.	USPAT	OR	ON	2004/06/21 16:20
S15 4	3	("4367971" "4761092" "5185992").PN.	USPAT	OR	ON	2004/06/21 16:20
S15 5	3	"5553447".URPN.	USPAT	OR	ON	2004/06/21 16:21
S15 6	8	"56"/\$.ccls. and rake and handle and (tube with sleeve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 17:08
S15 7	7	("0146727" "2821834" "2827318" "3000656" "3476413" "3701243" "3767233").PN.	USPAT	OR	ON	2004/06/21 17:02
S15 8	21	"3000656".URPN.	USPAT	OR	ON	2004/06/21 17:03
S15 9	26	"4068346".URPN.	USPAT	OR	ON	2004/06/21 17:04
S16 0	11	("1538309" "2110538" "2564472" "2821834" "3124399" "3210111" "3390516" "3466048" "3584739" "4535989" "4934550").PN.	USPAT	OR	ON	2004/06/21 17:06
S16 1	4	"5042812".URPN.	USPAT	OR	ON	2004/06/21 17:10
S16 2	2599	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 17:12
S16 3	35	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate)) and rake	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 17:14
S16 4	61	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate)) and "403"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 17:15
S16 5	72	(connector or connection or joint) and ((tube with sleeve) same (pivot or rotate or fold\$)) and "403"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 17:16
S16 6	3	("1765651" "3900220" "4003668").PN.	USPAT	OR	ON	2004/06/21 17:17
S16 7	8	"1765651".URPN.	USPAT	OR	ON	2004/06/21 17:18
S16 8	9	"4371282".URPN.	USPAT	OR	ON	2004/06/21 17:19

S16 9	3	("1765651" "3900220" "4003668"). PN.	USPAT	OR	ON	2004/06/21 17:19
S17 0	7	("1906218" "4865064" "5178583" "5217315" "5431508" "5743208" "5803104").PN.	USPAT	OR	ON	2004/06/21 17:47
S17 1	0	"6711783".URPN.	USPAT	OR	ON	2004/06/21 17:48
S17 2	11	"1906218".URPN.	USPAT	OR	ON	2004/06/21 17:49
S17 3	5	("0597947" "1056574" "1765651" "4526124" "4529331").PN.	USPAT	OR	ON	2004/06/21 17:51
S17 4	5	"4624374".URPN.	USPAT	OR	ON	2004/06/21 17:52
S17 5	7	("1039986" "1041147" "1906218" "2895757" "3319910" "4527579" "4611945").PN.	USPAT	OR	ON	2004/06/21 17:52
S17 6	6	"4768303".URPN.	USPAT	OR	ON	2004/06/21 17:53
S17 7	20	("0039854" "0049916" "0252008" "0595637" "1036222" "1241815" "1285120" "2264015" "2441689" "2484406" "2649104" "3489157" "3655297" "3669133" "3886962" "4184503" "4253478" "4437480" "4527579" "4642931").PN.	USPAT	OR	ON	2004/06/21 17:54
S17 8	4	"2441689".URPN.	USPAT	OR	ON	2004/06/21 17:55
S17 9	4	"4865064".URPN.	USPAT	OR	ON	2004/06/21 17:57
S18 0	9	("0738554" "0895372" "1504889" "1906218" "2066182" "2762210" "4437480" "4527579" "4753259"). PN.	USPAT	OR	ON	2004/06/21 17:58
S18 1	13	"5178583".URPN.	USPAT	OR	ON	2004/06/21 17:59
S18 2	11	("1906218" "2400155" "2854261" "3655297" "3801208" "4111574" "4538393" "4611945" "4711461" "4865064" "4934025").PN.	USPAT	OR	ON	2004/06/21 18:01
S18 3	19	"5217315".URPN.	USPAT	OR	ON	2004/06/21 18:02
S18 4	6	("0539796" "0609634" "1932436" "2441689" "2744794" "5539957"). PN.	USPAT	OR	ON	2004/06/21 18:03
S18 5	7	"5746533".URPN.	USPAT	OR	ON	2004/06/21 18:03

S18 6	19	("0286804" "0597873" "1555630" "1623672" "2171444" "2443233" "2493329" "2744275" "2802230" "3296643" "3358313" "3380767" "4082186" "4354511" "4845800" "5121520" "5548864" "5566418" "5746533").PN.	USPAT	OR	ON	2004/06/21 18:04
S18 7	6	("0539796" "0609634" "1932436" "2441689" "2744794" "5539957"). PN.	USPAT	OR	ON	2004/06/21 18:06
S18 8	7	"5746533".URPN.	USPAT	OR	ON	2004/06/21 18:06
S18 9	0	"5943727".URPN.	USPAT	OR	ON	2004/06/21 19:40
S19 0	0	"5943727".URPN.	USPAT	OR	ON	2004/06/21 19:40
S19 1	1218	"403"/\$.ccls. and (sleeve and tube and insert\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 20:03
S19 2	59	"403"/\$.ccls. and ((sleeve and tube and insert\$) with (joint or hinge))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/21 20:03
S19 3	9	("2179089" "2594561" "2846241" "3168938" "3243051" "3318413" "3427056" "2575965" "2876740"). PN.	USPAT	OR	ON	2004/06/21 20:26
S19 4	3	"3653697".URPN.	USPAT	OR	ON	2004/06/21 20:26
S19 5	5	("2606050" "3243165" "4661009" "4768258" "5185992").PN.	USPAT	OR	ON	2004/06/21 20:40
S19 6	6	("0684406" "1165636" "1826038" "3921725" "4162132" "4214538"). PN.	USPAT	OR	ON	2004/06/21 20:41
S19 7	13	"5185992".URPN.	USPAT	OR	ON	2004/06/21 20:42
S19 8	3	"5915482".URPN.	USPAT	OR	ON	2004/06/21 20:43
S19 9	1368	(403/348,349,350,351).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/24 15:25
S20 0	202	((403/348,349,350,351).CCLS.) and sleeve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 14:24
			DERWENT			

S20 1	4	("2934937" "2448548" "3146481" "3090066").PN.	USPAT	OR	ON	2004/06/24 13:32
S20 2	16	"3798701".URPN.	USPAT	OR	ON	2004/06/24 13:33
S20 3	3	("2839594" "3322416" "3555489").PN.	USPAT	OR	ON	2004/06/24 13:42
S20 4	14	"4614443".URPN.	USPAT	OR	ON	2004/06/24 13:42
S20 5	17	("0402132" "0867162" "0931327" "1130726" "1333436" "2032196" "2833548" "2852286" "2901258" "2915762" "3736011" "3854832" "3858910" "4006996" "4269422" "4274774" "4486918").PN.	USPAT	OR	ON	2004/06/24 13:43
S20 6	10	"4661009".URPN.	USPAT	OR	ON	2004/06/24 13:45
S20 7	14	("1171380" "2601088" "2793902" "2820655" "3412725" "3423781" "3524441" "4518162" "4661009" "5038510" "5052849" "5094464" "5178122" "5388563").PN.	USPAT	OR	ON	2004/06/24 13:50
S20 8	12	"5513622".URPN.	USPAT	OR	ON	2004/06/24 13:51
S20 9	8	("0802303" "1368889" "1968380" "2511416" "3010730" "4174113" "4545440" "5170560").PN.	USPAT	OR	ON	2004/06/24 13:52
S21 0	22	((403/348,349,350,351).CCLS.) and ((turn or rotate) with ("180" or degrees))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 14:25
S21 1	9	("0253929" "0576756" "4162132" "4476939" "4565398" "4901801" "5103520" "5185992" "5507051").PN.	USPAT	OR	ON	2004/06/24 14:38
S21 2	2	"5816633".URPN.	USPAT	OR	ON	2004/06/24 14:39
S21 3	14	("0268301" "0645977" "1211865" "1229843" "1262482" "1332898" "1475257" "2487696" "2672924" "2682414" "2808278" "2840382" "2974965" "3004362").PN.	USPAT	OR	ON	2004/06/24 14:56
S21 4	12	"4162132".URPN.	USPAT	OR	ON	2004/06/24 14:57
S21 5	5	"867162".URPN.	USPAT	OR	ON	2004/06/24 15:00
S21 6	14	"931327".URPN.	USPAT	OR	ON	2004/06/24 15:01
S21 7	9	"1171380".URPN.	USPAT	OR	ON	2004/06/24 15:04

S21 8	11	"2895757".URPN.	USPAT	OR	ON	2004/06/24 15:05
S21 9	1	"3555489".URPN.	USPAT	OR	ON	2004/06/24 15:07
S22 0	6	("1128634" "3301338" "2500276" "2165163" "3153547" "3190377"). PN.	USPAT	OR	ON	2004/06/24 15:08
S22 1	7	"3664444".URPN.	USPAT	OR	ON	2004/06/24 15:08
S22 2	3	("1645802" "2299357" "2901258"). PN.	USPAT	OR	ON	2004/06/24 15:09
S22 3	9	"3854832".URPN.	USPAT	OR	ON	2004/06/24 15:09
S22 4	2	("0867162" "3666058").PN.	USPAT	OR	ON	2004/06/24 15:10
S22 5	7	"4076105".URPN.	USPAT	OR	ON	2004/06/24 15:10
S22 6	24	"4518162".URPN.	USPAT	OR	ON	2004/06/24 15:11
S22 7	6	("0430420" "2079460" "2157153" "2198905" "3798701" "3854832"). PN.	USPAT	OR	ON	2004/06/24 15:13
S22 8	1	"4810126".URPN.	USPAT	OR	ON	2004/06/24 15:13
S22 9	9	("0213976" "1133189" "1194793" "1696462" "2212345" "3423781" "3945642" "4518162" "4645211"). PN.	USPAT	OR	ON	2004/06/24 15:13
S23 0	7	"5094464".URPN.	USPAT	OR	ON	2004/06/24 15:14
S23 1	10	("1062850" "1119147" "1845143" "2324614" "2992026" "3183886" "3515418" "4076437" "4811983" "4918896").PN.	USPAT	OR	ON	2004/06/24 15:14
S23 2	4	"5572835".URPN.	USPAT	OR	ON	2004/06/24 15:15
S23 3	4	("2901258" "4943182" "4986690" "5407293").PN.	USPAT	OR	ON	2004/06/24 15:15
S23 4	6	"6126359".URPN.	USPAT	OR	ON	2004/06/24 15:15
S23 5	13	("1713513" "2834199" "2934937" "3090066" "3146481" "3162881" "3798701" "4335485" "4520527" "4856932" "4892437" "5487259" "6052857").PN.	USPAT	OR	ON	2004/06/24 15:16
S23 6	2	"6227750".URPN.	USPAT	OR	ON	2004/06/24 15:17

S23 7	10	("4538967" "4756638" "4888456" "5144860" "5672855" "5733134" "5773776" "5872343" "5884936" "6260431").PN.	USPAT	OR	ON	2004/06/24 15:17
S23 8	0	"6447197".URPN.	USPAT	OR	ON	2004/06/24 15:17
S23 9	11	("2049290" "2739850" "2989329" "3679065" "3878314" "4589622" "4663900" "4666331" "5557892" "5975792" "6247991").PN.	USPAT	OR	ON	2004/06/24 15:18
S24 0	0	"6494636".URPN.	USPAT	OR	ON	2004/06/24 15:18
S24 1	11	"2895757".URPN.	USPAT	OR	ON	2004/06/24 15:22
S24 2	17	((403/348,349,350,351).CCLS.) and "180 degrees"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 15:26
S24 3	13	("1713513" "2834199" "2934937" "3090066" "3146481" "3162881" "3798701" "4335485" "4520527" "4856932" "4892437" "5487259" "6052857").PN.	USPAT	OR	ON	2004/06/24 15:42
S24 4	2	"6227750".URPN.	USPAT	OR	ON	2004/06/24 15:43
S24 5	5	((403/348,349,350,351).CCLS.) and ((turn or rotate) with "180")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 15:56
S24 6	504	(172/371).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 18:09
S24 7	283	(294/50.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 18:16
S24 8	298	(294/50.8.50.9,53.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 18:17
S24 9	0	("I3notI2").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 18:17
			DERWENT			

S25 0	297	S248 not S247	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 18:27
S25 1	1289	(172/370-374).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 18:52
S25 2	1126	(7/128,167,168,900).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 18:56
S25 3	701	(7/128,168,900).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 19:13
S25 4	1957	(403/348,349,350,351).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 19:14
S25 5	337	S254 and sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 19:26
S25 6	523	S254 and (pivot or rotate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 19:26
S25 7	365	S256 not S255	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 19:38
S25 8	1257	(56/400.04,400.07,400.11,400.12,400.16,dig.18).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/19 19:38
S25 9	43	S258 and pivot and sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 19:42

S26 0	154	S258 and pivot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 19:42
S26 1	111	S260 not S259	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/11/19 19:42
S26 2	1	("109657").URPN.	USPAT	OR	ON	2004/11/22 12:05
S26 3	0	("711553").URPN.	USPAT	OR	ON	2004/11/22 12:05
S26 4	1	("840229").URPN.	USPAT	OR	ON	2004/11/22 12:06
S26 5	0	("1444719").URPN.	USPAT	OR	ON	2004/11/22 12:06
S26 6	2	("1473572").URPN.	USPAT	OR	ON	2004/11/22 12:06
S26 7	1	("1580391").URPN.	USPAT	OR	ON	2004/11/22 12:07
S26 8	0	("1876907").URPN.	USPAT	OR	ON	2004/11/22 12:08
S26 9	0	("2502358").URPN.	USPAT	OR	ON	2004/11/22 12:08
S27 0	7	("2504943").URPN.	USPAT	OR	ON	2004/11/22 12:08
S27 1	7	("2649104").URPN.	USPAT	OR	ON	2004/11/22 12:12
S27 2	9	("2735712").URPN.	USPAT	OR	ON	2004/11/22 12:13
S27 3	0	("2770090").URPN.	USPAT	OR	ON	2004/11/22 12:14
S27 4	27	("2820655").URPN.	USPAT	OR	ON	2004/11/22 12:15
S27 5	12	("3105348").URPN.	USPAT	OR	ON	2004/11/22 12:18
S27 6	9	("3434368").URPN.	USPAT	OR	ON	2004/11/22 12:19
S27 7	107	pivot with elbow with coupl\$	USPAT	OR	ON	2004/11/22 12:19
S27 8	6	("2256248" "2546157" "2546299"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:23
S27 9	11	("3724885").URPN.	USPAT	OR	ON	2004/11/22 12:24

S28 0	11	("2649104" "3272556" "3421670" "3437060" "3528701" "3713568"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:25
S28 1	24	("3989173").URPN.	USPAT	OR	ON	2004/11/22 12:25
S28 2	19	("0633054" "1180965" "1199732" "2926012" "2927787" "3136007" "3187373" "3628812" "3815941" "3895471" "4222591" "4393541"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:27
S28 3	1	("4518277").URPN.	USPAT	OR	ON	2004/11/22 12:28
S28 4	30	("2638730" "3221481" "3788049" "3977078" "4009560" "4182100" "4224784" "4358123" "4442659" "4512143" "4587800" "4624321" "4679385" "4688376" "4703613" "4704849" "4712363" "4756147" "4796415" "4802327" "4829755" "4845929" "4891931" "4914899" "4922694" "4936886" "4953294" "4981012").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:28
S28 5	13	("5279102").URPN.	USPAT	OR	ON	2004/11/22 12:29
S28 6	12	("0381544" "1742232" "3004362" "3150460" "4057277" "4571766" "5114199" "5206998").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:31
S28 7	6	("5601322").URPN.	USPAT	OR	ON	2004/11/22 12:32
S28 8	32	("2638730" "3221481" "3788049" "3977078" "4009560" "4182100" "4224784" "4358123" "4442659" "4512143" "4587800" "4624321" "4679385" "4688376" "4703613" "4704849" "4712363" "4756147" "4796415" "4802327" "4829755" "4845929" "4891931" "4914899" "4922694" "4936886" "4953294" "4981012" "5279102" "5408816"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:33
S28 9	10	("5613354").URPN.	USPAT	OR	ON	2004/11/22 12:34
S29 0	6	("3246877" "4157198" "4930825" "5375401" "5427424").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:35
S29 1	3	("5615541").URPN.	USPAT	OR	ON	2004/11/22 12:35
S29 2	15	("0281137" "0429903" "0944552" "1051029" "1222711" "2735712" "4042270" "4489969" "5497714"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:36

S29 3	4	("5743579").URPN.	USPAT	OR	ON	2004/11/22 12:36
S29 4	26	("0541841" "0669841" "1407232" "1486755" "1501965" "1539088" "1592270" "2036433" "2598288" "3152788" "3319988" "3608644" "4630366" "4807625" "5685587"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:37
S29 5	1	("5836630").URPN.	USPAT	OR	ON	2004/11/22 12:38
S29 6	26	("0171942" "0370514" "0429328" "0774646" "0934029" "1222711" "1484100" "1761503" "2703251" "2735712" "3042440" "4042270" "5152569" "5320363" "5743579"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:38
S29 7	1	("6068315").URPN.	USPAT	OR	ON	2004/11/22 12:39
S29 8	18	("0917634" "1222711" "2942401" "3164945" "4037397" "4185448" "4378671" "4427227" "4545189" "4991386" "5058370" "5459988" "5564267" "5901540").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:40
S29 9	1	("6250697").URPN.	USPAT	OR	ON	2004/11/22 12:40
S30 0	3	("4850584" "5044624" "5600426"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:41
S30 1	3	("6267373").URPN.	USPAT	OR	ON	2004/11/22 12:41
S30 2	53	("0498533" "0970751" "1467212" "3017733" "3034275" "3077718" "3123378" "4033098" "4043101" "4077191" "4182100" "4224784" "4287709" "4341060" "4343139" "4351143" "4389836" "4411126" "4442659" "4512143" "4531350" "4587800" "4688376" "4704849" "4756147" "4829755" "4845929" "4873819" "4879869" "4891931" "4894916" "4922694" "4936886" "5092112" "5095687" "5222750" "5279102" "5450715" "5467584" "5477665" "5561969" "5603205" "5829236" "5970692" "6009694" "6065275").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 12:41
S30 3	0	("6745549").URPN.	USPAT	OR	ON	2004/11/22 12:44
S30 4	18	("970751").URPN.	USPAT	OR	ON	2004/11/22 13:01

S30 5	16	("3187373").URPN.	USPAT	OR	ON	2004/11/22 13:02
S30 6	8	("2311355" "2389811" "3187373" "3224800").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:04
S30 7	16	("4111217").URPN.	USPAT	OR	ON	2004/11/22 13:04
S30 8	14	("0283282" "0774293" "0884887" "0938759" "1588927" "2136849" "2772910").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:06
S30 9	2	("4427227").URPN.	USPAT	OR	ON	2004/11/22 13:06
S31 0	4	("2730320" "4182100" "4389836").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:06
S31 1	49	("4442659").URPN.	USPAT	OR	ON	2004/11/22 13:07
S31 2	49	("4442659").URPN.	USPAT	OR	ON	2004/11/22 13:08
S31 3	23	("3191368" "3193996" "3236037" "3407579" "3531922" "3604208" "3693334" "3803818" "3871160" "3977078" "4031696" "4170099" "4242855" "4270271" "4333302" "4335585" "4442659" "4453372").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:08
S31 4	27	("4642976").URPN.	USPAT	OR	ON	2004/11/22 13:09
S31 5	10	("2032467" "3977078" "4224784" "4364435" "4829755" "4891931" "4914899" "4922694" "4981012").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:10
S31 6	21	("5095687").URPN.	USPAT	OR	ON	2004/11/22 13:10
S31 7	21	("5095687").URPN.	USPAT	OR	ON	2004/11/22 13:11
S31 8	15	("0902070" "1212303" "1888929" "2230498" "2654626" "2703251" "2987836" "4694760").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:11
S31 9	8	("5320363").URPN.	USPAT	OR	ON	2004/11/22 13:12
S32 0	19	("0483477" "0911291" "2826835" "3751094" "4050728" "4128266" "4200324" "4229033" "4264096" "4537433" "4615553" "4787661" "4793645" "4944541" "5133582" "5320363").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:12
S32 1	0	("5487577").URPN.	USPAT	OR	ON	2004/11/22 13:14

S32 2	12	("2555226" "4531350" "4922694" "5092112" "5450715" "5477665" "5484154" "5626006" "5836142" "D143329").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 13:14
S32 3	2	("6065275").URPN.	USPAT	OR	ON	2004/11/22 13:15
S32 4	11	("2555226").URPN.	USPAT	OR	ON	2004/11/22 13:15
S32 5	9	("2826835").URPN.	USPAT	OR	ON	2004/11/22 14:49
S32 6	2	("4378671").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/11/22 14:49
S32 7	2	("3601966" "4292794").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/11/22 14:49
S32 8	17	("4378671").URPN.	USPAT	OR	ON	2004/11/22 14:49